

8100 Series

GENERAL INFORMATION

For Parts listing

use TOSHFAX Doc:

- 8100(PT810C-11C52): #7205
- 8100(PT810C-23CF2): #7209
- 8100(PT810C-23CF7): #7209
- 8100(PT810C-16CF2): #7224
- 8100(PT810C-48CF2): #7225
- 8100(PT810C-48CF7): #7225

Before attempting any of the following procedures, make sure that the main battery and AC adaptor is not connected to the unit and the environment in which you are working on is protected from Electro-Static Discharge(ESD).

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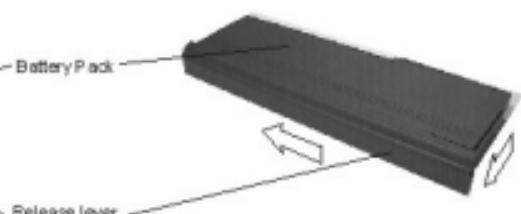
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BATTERY PACK REMOVAL



1. Turn the computer upside down as shown.
2. Slide the **battery release lever** in the direction of the arrow.
3. Slide the battery assembly forward and out of the battery bay.

RELEASE LEVER REMOVAL



4. Flex the **release lever** and slide it off of the **battery pack**.

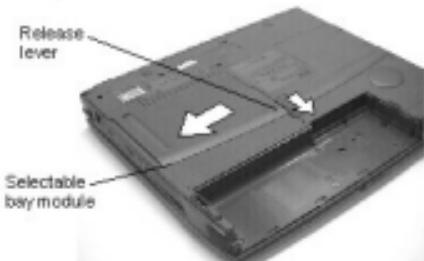
OPTIONAL PCMCIA CARD REMOVAL



1. Pull out the **eject button** of the **PC card** to be removed.
2. Press firmly to eject the **PC card**.
3. Grasp the **PC card** and remove it.

NOTE: Before removing any PCMCIA device, make sure it is "STOPPED" in the PC Card Manager.

SELECTABLE BAY REMOVAL



1. Turn the computer upside down.
2. Slide the **release lever** in the direction of the arrow.
3. Pull out the **selectable bay module** in the direction of the arrow.

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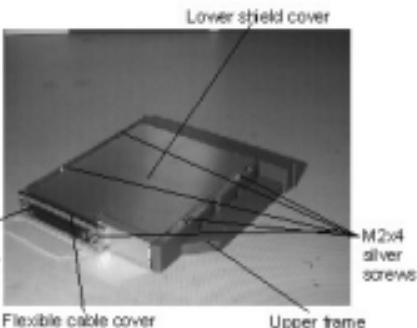
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FDD DISASSEMBLY

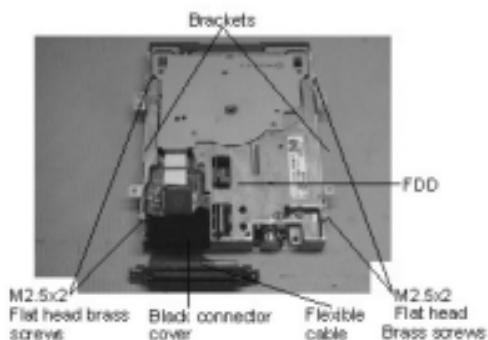


Release lever

1. Push both **release levers** and take the FDD out.



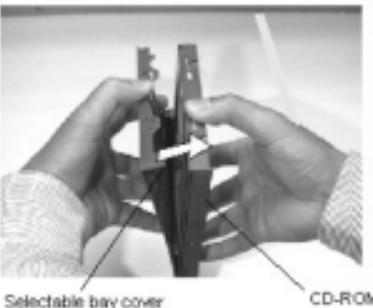
2. Remove **five M2x4 silver screws** and one **M2x6 silver screw**.
3. Remove **lower shield cover** and the **flexible cable cover**.
4. Lift the FDD out from the **upper frame**.



5. Remove **black connector cover** and disconnect the **flexible cable** from the FDD.
6. Remove **four M2.5 flat head brass screws** and detach the **two brackets**.

NOTE: The brackets, flexible cable, black connector cover and the flathead screws are all separable parts.
Please DO NOT return them to **TOSHIBA**.

CD-ROM DRIVE DISASSEMBLY



1. Remove the **selectable bay cover**.

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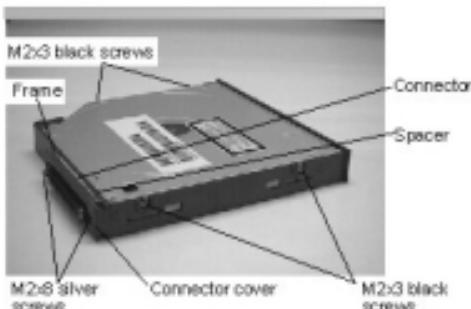
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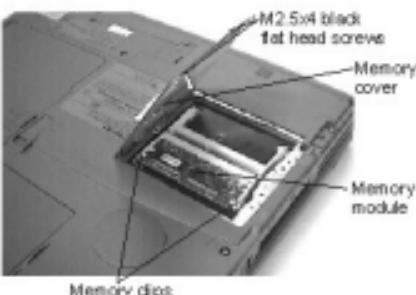
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CD-ROM DRIVE DISASSEMBLY



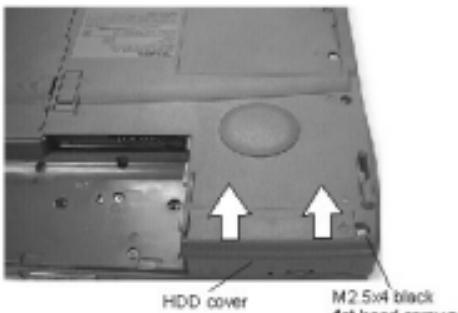
2. Remove four M2x3 black screws and the frame.
3. Remove two M2x8 silver screws.
4. Remove the spacer, connector, and the connector cover from the CD-ROM drive.

MEMORY MODULE REMOVAL

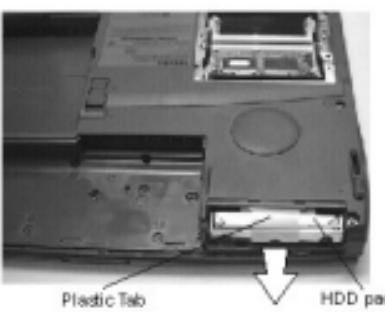


1. Turn the computer upside down.
2. Remove two M2.5x4 black flat head screws and remove the memory cover.
3. Push the memory clips outward and pull the memory module out of the connector on a 45 degree angle.

HDD REMOVAL



1. Turn the computer upside down.
2. Remove one M2.5x4 black flat head screw securing HDD cover.
3. Push up the raised hubs to remove the HDD cover.



4. Untold the plastic tab and pull to remove the HDD from the bay.

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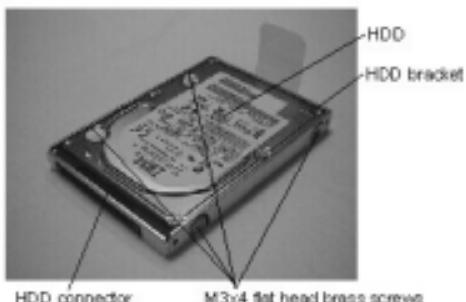
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HDD REMOVAL



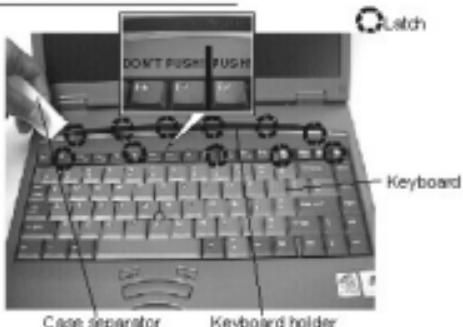
5. Remove **four M3x4 flat head brass screws** securing the HDD to the bracket and lift the drive out of the bracket.
6. Unplug the **HDD connector** from the drive.

MODEM BOARD REMOVAL



1. Remove **four M2.5x4 flat head black screws** securing the module.
2. Lift gently to disconnect the **modem module** from the system board.

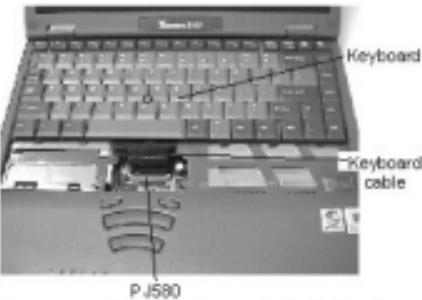
KEYBOARD REMOVAL



1. Open the display panel.
2. Using the **case separator**, unlatch the **keyboard holder** at the top of the keyboard.

NOTE: When installing the keyboard holder do not press on the area above F6&F7 keys. Pressing the F6&F7 area may bend the aluminum plate causing the FAN to generate noise.

KEYBOARD REMOVAL



3. Remove **one M2.5x3 black** securing the keyboard.
4. Lift out the **keyboard** and set it as shown above.
5. Disconnect the **keyboard cable** from **PJ580** on the system board.

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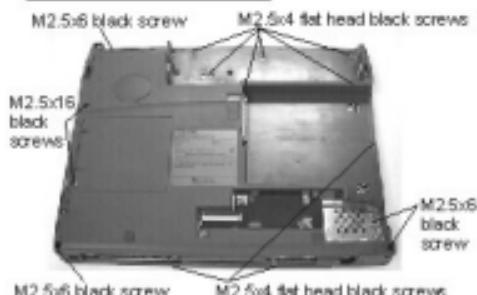
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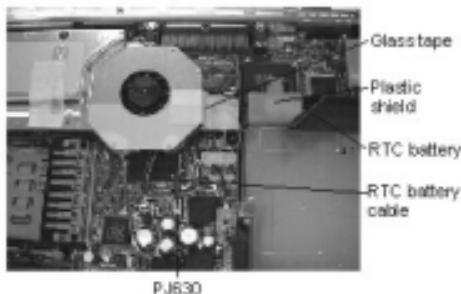
TOP COVER REMOVAL



1. Turn the computer upside down and remove the following screws:
 - 1 M2.5x4 flat head black screw from the select bay
 - 6 M2.5x4 flat head black screws from the battery bay
 - 4 M2.5x6 black screws from the underside
 - 2 M2.5x16 black screws from the underside
 - 2 M2.5x4 flat head black screws from the back of the computer

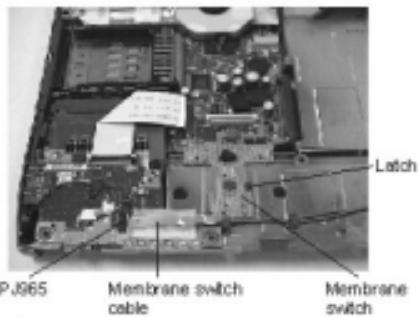
2. Turn the computer right side up and open the display.
3. Disconnect the **display cable** from **PJ310** on the system board.
4. Remove two **M2.5x4 brass screws** and four **M2.5x6 black screws** from the keyboard area.
5. Using a case separator tool, release the **latches** securing the upper and lower covers and lift off the cover with the display assembly.

RTC BATTERY REMOVAL



1. Disconnect the **RTC battery cable** from **PJ630** on the system board.
2. Remove the strip of **glass tape** securing the battery cable.
3. Fold back the **plastic shield** and lift out the battery.

MEMBRANE SWITCH REMOVAL



1. Disconnect the **membrane switch cable** from **PJ965** on the sound board.
2. Release the **latch** securing membrane switch and lift it off.

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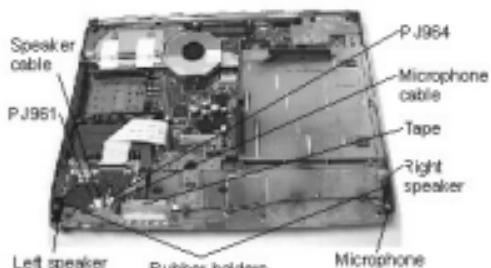
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SPEAKERS & MICROPHONE REMOVAL



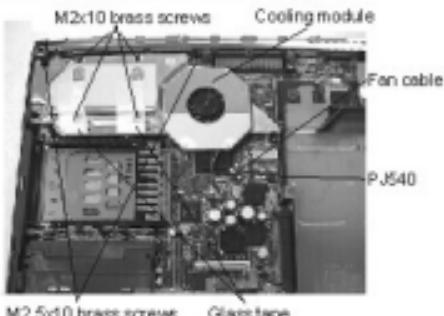
1. Lift the strip of **glass tape** securing the microphone and speaker cables.
2. Disconnect the **speaker cable** from **PJ961** and the **microphone cable** from **PJ964** on the sound board.
3. Remove the cables and lift out the speaker assemblies.

SOUND BOARD REMOVAL



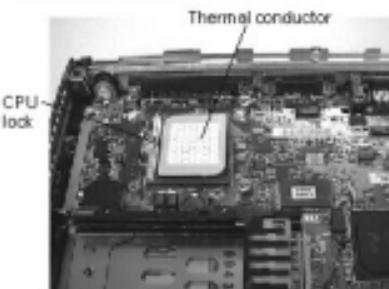
1. Disconnect the sound cable from **PJ530** on the system board.
2. Remove **two M2.5x4 screws** securing the sound board.
3. Lift out the sound board assembly.
4. Disconnect the sound cable from **PJ960** on the sound board.

COOLING MODULE REMOVAL



1. Disconnect the **fan cable** from **PJ540** on the system board.
2. Lift the strips of **glass tape** and remove **four M2x10** and **two M2.5x10 brass screws** securing the cooling module.
3. Lift out the cooling module.

CPU REMOVAL



1. Peel off the thermal conductor.

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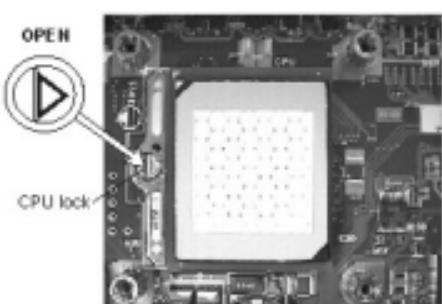
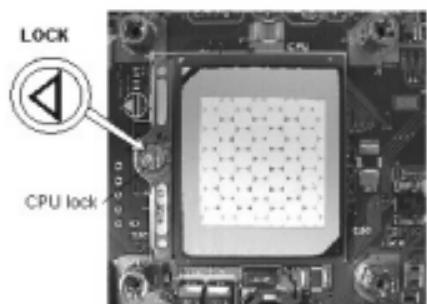
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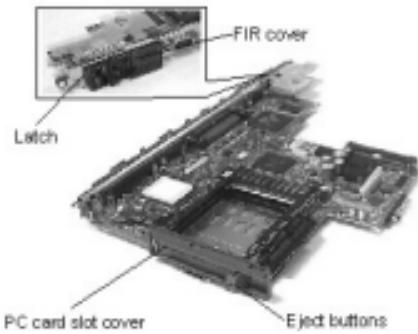
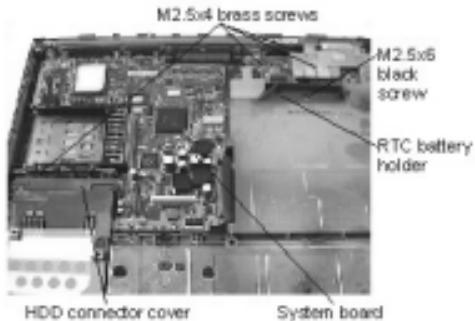
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CPU REMOVAL



1. Rotate the **CPU lock** 180 degrees clockwise, to the **OPEN** position, and lift the CPU out of the socket.

SYSTEM BOARD REMOVAL



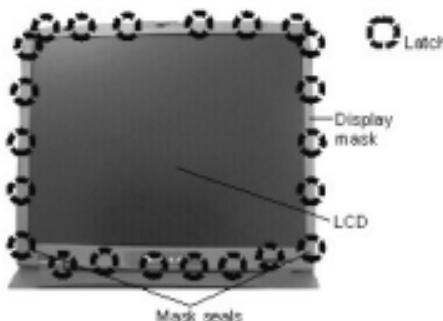
1. Remove one **M2.5x6 black screw** securing the **RTC battery holder** and remove the **RTC battery holder**.
2. Lift out the **HDD connector cover**.
3. Remove four **M2.5x4 brass screws** securing the **system board**.
4. Lift out the **system board**.

5. Untold the **PC card eject buttons** and remove the **PC card slot cover**.
6. Release the **latch** securing the **FIR cover** and remove the **FIR cover**.

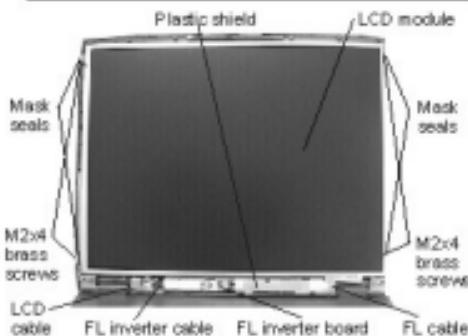
NOTE: The FIR cover is a separate part.
Please DO NOT return this part to **TOSHIBA**.

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8100 Series14.1 TFT DISPLAY MASK REMOVAL

1. Remove **two mask seals** at the bottom corners of the display assembly using a pair of fine-tipped tweezers.
2. Remove **two M2.5x6 flat head brass screws**.
3. There are **22 latches** securing the **display mask**. Carefully insert your fingers between the mask and the LCD panel and pry open the latches starting from the **top six latches**, to the **five latches on the right and left sides**, ending with the **six bottom latches**.

FL INVERTER AND 14.1 TFT LCD REMOVAL

1. Lift the **plastic shield**.
2. Carefully lift up the **FL inverter board** and disconnect the **FL inverter cable** from **CN1** and the **FL cable** from **CN2**.
3. Remove **four mask seals** to expose your screws securing the **LCD module**.
4. Remove **four M2x4 brass screws** securing the **LCD module**.
5. Carefully rotate the **LCD module** from right to left off the **LCD cover**.
6. Disconnect the **LCD cable** from the **LCD module** and remove the **LCD** from the computer.

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